



# Missouri Department of Natural Resources



## **FALL/WINTER 2006-2007 WORKSHOPS SCHEDULE**



## About Our Program

### What's Available In This Issue ...

#### Workshops:

- Project WET six-hour workshops
- Projects WET, WILD and WOODY (PLT)
- Teachers, Industry and the Environment (TIE)
- Groundwater Issues (Missouri's Hidden Waters)

The Missouri Department of Natural Resources offers five Project WET (Water Education for Teachers) six-hour workshops for educators during the 2006-2007 fall and winter seasons. Participants in these one-day events will receive the *Project WET Curriculum and Activity Guide*.

The department also is offering three college credit workshop opportunities. Participants may select from workshops that focus on Projects WET, WILD and Learning Tree, groundwater (at the *Interface Conference*), and the Teachers, Industry and Environment (TIE) Conference. These workshops include background information, suggested teaching strategies, student activities and *Show-Me Standards* correlations on the selected topic.

The optional graduate credit is provided through Lincoln University (LU) in Jefferson City or the University of Central Missouri (UCM, formerly CMSU) in Warrensburg.

Tuition for the workshops through LU will be \$60 per semester hour. Tuition for the one-hour course through UCM was not determined at the time of publication. **Enrollment for college credit and payment of tuition fees will be handled at each workshop.**

Workshop registration fees cover materials and training expenses; there is no charge for Missouri Department of Natural Resources services.

**To register for these workshops, send a completed pre-registration form and the registration fee to the Missouri Department of Natural Resources, Field Services Division, Environmental Education, P.O. Box 176, Jefferson City, MO 65102. Make a separate check for each workshop you will be attending, made payable to the name of that workshop. NO REFUNDS. A packet of information will be mailed to each registered participant prior to the workshop.**

For more information on these workshops, or for arranging faculty or staff in-service training, write Joe Pitts, Jim Lubbers or Bryan Hopkins at the Missouri Department of Natural Resources, or telephone 1-800-361-4827 or (573) 751-3443.

**Please share this form with a colleague.**

Environmental education staff members focus on assisting educators to enhance their students' proficiency in the knowledge, skills and competencies listed in the Missouri *Show-Me Standards*.

## What is Project WET?

Project WET (Water Education for Teachers) is an environmental education program designed for teachers and other educators working with children from kindergarten through grade 12. The *Project WET Curriculum and Activity Guide* is a source of interdisciplinary instructional activities that are correlated with the Missouri *Show-Me Standards*. Project WET activities focus on teaching students “how to think” not “what to think.”



Project WET works in the city and in the country, whether there is a stream, lake or pond. Project WET focuses on water resources as they relate to human needs and the natural world. Project WET is a tool for helping young people gain an understanding of their impact on the world around them.

## What are the Benefits?

### ***For Children:***

- Learn how to think, not what to think, about our complex environment.
- Discover how subjects and skills taught in the classroom relate to the real world.
- Develop skills in creative problem solving, critical thinking, evaluation and research.
- Have fun while learning.

### ***For Educators:***

- Discover 96 activities that help teach science, mathematics, language arts, social studies, humanities and more.
- Receive a ready-to-use *Project WET Curriculum and Activity Guide* to actively involve students in the learning process.
- Discover Project WET activities that work with a variety of teaching and learning styles.
- Participate in a creative, hands-on workshop that helps improve classroom skills.
- Become part of a national network of environmental educators.

## What Kinds of Activities are in the Guide?

### ***Together, you and your students can:***

- Build a rainstick and learn how some ancient cultures celebrated rain.
- Study molecular theory in a whole-body movement activity, "Molecules in Motion."
- Demonstrate the distribution of water on the planet by investigating "A Drop in the Bucket."
- Find the source of disease in "Poison Pump."
- Build a pioneer raft in "Water Crossings."

## What is a Project WET Activity Guide?

- Ready-made lessons and activities that can be used to supplement existing curricula.
- Action-oriented activities that can be used in any order and require little in the way of materials and equipment.
- New ideas that can be used with children having special needs.
- Activities written by classroom teachers with the support and assistance of environmental educators, water resource professionals, resource agencies and conservation groups.
- Field-tested activities that support the educational goals of scouting groups, church groups and other youth organizations.

## How Can You Get Involved?

*Just invest six hours in a fun-filled workshop held in your area by resource professionals and educators.*



### ***During the workshop you will:***

- Find out more about Project WET resources and activities.
- Participate in hands-on Project WET activities both indoors and out.
- Learn more about water resources from natural resource professionals and your fellow educators.
- Expand your knowledge, teaching and leadership skills.
- Discover how Project WET can enliven your curriculum and program activities.
- Meet and share ideas, information and resources with other professionals and volunteers.
- Explore ways in which Project WET can help you meet requirements of the *Missouri Show-Me Standards*, the Missouri Grade Level Expectations (GLE's) and the *No Child Left Behind Act*.
- Receive the Project WET activity guide and have the opportunity to plan ways to use the guide in your classroom or program.

## **Project WET six-hour workshops schedule**

(No College Credit is Available for These Workshops)

DATE	LOCATION	DETAILS
November 4	Columbia/University of Missouri Campus	This workshop is offered in conjunction with the Missouri Environmental Education association annual conference. You must register for the conference to register for this workshop. Conference details are available at <a href="http://www.meea.org">www.meea.org</a> .
December 2	Rolla	This workshop is open for general registration. Registration details are included below.
January 13	Kansas City	This workshop is open for general registration. Registration details are included below.
February 22	Osage Beach / Interface Conference Session "A"	This workshop is offered in conjunction with the annual Interface Conference for Teachers of Math and Science. You must register for the conference to register for this workshop. Conference details are available at <a href="http://www.dese.mo.gov">www.dese.mo.gov</a> .
February, 25	Osage Beach / Interface Conference Session "B"	This workshop is offered in conjunction with the annual Interface Conference for Teachers of Math and Science. You must register for the conference to register for this workshop. Conference details are available at <a href="http://www.dese.mo.gov">www.dese.mo.gov</a> .

## COLLEGE CREDIT OFFERINGS

### Project(s) WET, WILD and WOODY (PLT)

- Lincoln, January 26-28, 2007

Projects WET, WILD and PLT are interdisciplinary curriculum supplements that provide a series of activities using water, forests, and wildlife as windows into the natural world to increase students' understanding of our complex environment. Participants will receive a booklet that correlates each curriculum guide to the Missouri *Show-Me Standards*. The interactive hands-on activities include an introduction to each project, a review of the respective project activity guide, an overview of learning strategies, instruction on environmental-education methods, peer teaching of selected activities from the guide, and guidelines for activity implementation. In addition, participants will discover how use of these curriculum guides can improve student scores on the Missouri Assessment Program (MAP) and help meet grade level expectations (GLE's). **This is your chance to acquire all three of these useful and popular curriculum guides without attending three separate workshops.**

Heit's Point Retreat in Lincoln, Missouri on the shore of the Lake of the Ozarks ([www.heitspoint.com](http://www.heitspoint.com)) has generously offered to provide meals and lodging for participants at this workshop.

**NOTE: Enrollment is limited to 30 participants, so register early to reserve your place.**

*Show-Me Standards:* 1.1, 1.2, 1.5, 1.6, 1.8, 1.10, 2.1, 2.3, 2.5, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.8, 4.1, 4.3, 4.6, CA 1, 3, 5, 6, 7, MA 1, 2, 3. 4. SC 1,3, 4, 5, 7, 8, SS 2, 3, 4, 5, HP 3, 6,

College Credit, one hour LU spring semester 2007

**Registration Fee: \$50 - Participants must pre-register for this workshop. Registration fee covers the cost of the training, lodging and meals during the course will be provided by Heit's Point.**

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### TEACHERS, INDUSTRY AND THE ENVIRONMENT (TIE)

- Columbia, February 8-10, 2007

This unique course and conference is specifically designed for K-12 science teachers to exchange information on environmental issues with the chemical industry and natural resource professionals. Approximately 70 science teachers will be selected to attend the workshop. This year's theme is *F3: Farming Food Fuel*. **Details about TIE can be found at [www.mochemistry.com](http://www.mochemistry.com) and a printable application form is available at [www.mochemistry.com/tie.html](http://www.mochemistry.com/tie.html).** College credit, one hour University of Central Missouri (formerly CMSU), spring semester, 2007.

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## GROUNDWATER ISSUES (Missouri's Hidden Waters)

- Osage Beach, Tan-Tar-A Resort, Interface "B" Conference, *February 25 – 26, 2007*

It is essential that our state's vast groundwater resources be protected from pollution. The course focuses on the dynamics of groundwater in the Ozark region of Missouri. Sessions will include topics on Missouri geology and hydrology, potential groundwater pollution sources, and prevention of groundwater pollution. In addition, participants will tour Ha Ha Tonka State Park and Ha Ha Tonka Spring and other features and geologic landforms associated with groundwater.

This course is offered in conjunction with the Interface Conference for teachers of math and science sponsored by the Missouri Department of Elementary and Secondary Education. **You must register for the conference to be eligible to attend this course. NOTE: Enrollment is limited to 30 so register early for Interface to reserve your place. Interface registration is handled through the University of Missouri Conference Center (see [www.dese.mo.gov](http://www.dese.mo.gov) for details).**

**Participants in this workshop must register for the Interface "B" Conference**

*Show-Me Standards:* 1.3, 1.6, 2.3, 3.1, 4.3, SC 3, SC 5, HP 3, SS 5

College credit: one hour (Lincoln University, spring semester, 2007)

## ANNOUNCEMENTS

### EE CAMPUS NOVEMBER 3-5, 2006 ON THE UNIVERSITY OF MISSOURI CAMPUS, COLUMBIA, MO

This is a structured professional development event with planned workshops for formal and non-formal environmental educators who would like to improve environmental literacy, for themselves and for their students or clients. The Missouri Environmental Education Association (MEEA) and the University of Missouri sponsor this event. For more information about this event please see [www.meea.org](http://www.meea.org). See the conference program for the date, time and location of a six-hour Project WET workshop that is offered during this conference.

### INTERFACE CONFERENCE FOR TEACHERS OF MATH AND SCIENCE AT TAN-TAR-A-RESORT, OSAGE BEACH

- **Session "A" February 22-24, 2007 (grades k-6) and Session "B" February 25-27, 2007 (grades 7-12)**

Environmental education staff members offer workshops during both sessions of the *Interface Conference* for teachers of math and science scheduled for February 22 - 27, 2007. See [www.dese.mo.gov](http://www.dese.mo.gov) for more information on the *Interface Conference*. Topics of workshops offered by the department in 2007 include Project WET and groundwater (see description above). Please see the *Interface Conference* brochure and registration packet for details about registering for these hands-on workshops. The Missouri Department of Elementary and Secondary Education sponsors *Interface*.

**Spring/Summer 2006 Environmental Education Courses  
Pre-Registration Form**

**Fall/Winter 2006-2007 Workshop Courses Pre-Registration Form**

Please check box to register.

- ☐ Project WET six-hour Workshop, December 2, 2006, Rolla, **\$15**  
***(no college credit)***
- ☐ Project WET six-hour Workshop, January 13, 2007, Kansas City, **\$15**  
***(no college credit)***
- ☐ Project(s) WET, WILD and WOODY (PLT), January 26-28, 2007, Lincoln, **\$50**  
***(Optional College Credit)***

Name \_\_\_\_\_ Phone (\_\_\_\_) \_\_\_\_-\_\_\_\_\_

Home Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

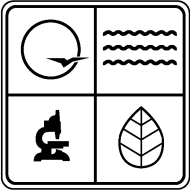
E-mail Address: \_\_\_\_\_

Make a separate check for each course you will be attending, made payable to the name of that course. **NO REFUNDS.** Please mail this form with your check(s) to:

Missouri Department of Natural Resources  
Field Services Division  
Environmental Education  
P.O. Box 176  
Jefferson City, MO 65102-0176  
Phone: 1-800-361-4827 or (573) 751-3443

Please contact staff at the above address if you need special accommodations.

**ALL PARTICIPANTS MUST BE PRE-REGISTERED! PLEASE, NO SUBSTITUTIONS.**



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Field Services Division  
P.O. Box 176  
Jefferson City, MO 65102-0176

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